

AMENDMENT UNDER 37 C.F.R. § 1.111
Application Serial No. 09/715,009
Attorney Docket No. Q61858

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-5. (canceled).

6. (previously presented): An information recording and reproducing apparatus comprising:

a first reproducing device for reproducing audio information from a first information record medium, in which the audio information is recorded;

a recording device for recording the reproduced audio information into a second information record medium in which random access is possible;

a second reproducing device for reproducing the audio information recorded in said second information record medium; and

a controlling device for setting a recording speed when recording the audio information into said second information record medium and a reproducing speed when reproducing the audio information from said second information record medium such that the recording speed is equal to or higher than the reproducing speed, and controlling said second reproducing device and said recording device so as to simultaneously record a portion of said audio information to said second information record medium at the set recording speed and reproduce another portion

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of said audio information by reproducing said another portion of said audio information from said second recording medium at the set reproducing speed,

wherein said controlling device controls said recording device so as to record information indicative of the portion of the audio information, which is being recorded at a time of stopping a recording operation of recording the audio information into said second information record medium, into said second information record medium and then stop the recording operation, when the recording operation is to be stopped in a middle of recording the audio information into said second information record medium.

7. (previously presented): An information recording and reproducing apparatus according to Claim 6, wherein said controlling device controls said recording device so as to output stop information indicative of stopping the recording operation when the recording operation is to be stopped in the middle.

8. (original): An information recording and reproducing apparatus according to Claim 6, wherein

the recording operation is stopped by stopping a main electric power supplying device for supplying an electric power to said information recording and reproducing apparatus in a normal operation, and

said information recording and reproducing apparatus further comprises a sub electric power supplying device for supplying an electric power to said information recording and reproducing apparatus after said main electric power supplying device is stopped.

9. (previously presented): An information recording and reproducing apparatus comprising:

a first reproducing device for reproducing audio information from a first information record medium, in which the audio information is recorded;

a recording device for recording the reproduced audio information into a second information record medium;

a second reproducing device for reproducing the audio information recorded in said second information record medium; and

a controlling device for setting a recording speed when recording the audio information into said second information record medium and a reproducing speed when reproducing the audio information from said second information record medium such that the recording speed is equal to or higher than the reproducing speed, and controlling said second reproducing device and said recording device so as to perform reproducing the recorded audio information from said second information record medium at the set reproducing speed in parallel to recording the audio information into said second information record medium at the set recording speed,

further comprising a compressing device for reproducing the recorded audio information from said second information record medium, compressing the reproduced audio information,

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and recording again the compressed reproduced audio information into said second information record medium.

Claim 10 (canceled).

11. (currently amended): An information recording and reproducing apparatus comprising:

a first reproducing device for reproducing audio information from a first information record medium, in which the audio information is recorded;

a recording device for recording the reproduced audio information into a second information record medium;

a second reproducing device for reproducing the audio information recorded in said second information record medium; and

a controlling device for setting a recording speed when recording the audio information into said second information record medium and a reproducing speed when reproducing the audio information from said second information record medium such that the recording speed is equal to or higher than the reproducing speed, and controlling said second reproducing device and said recording device so as to ~~perform reproducing the recorded audio information from said second information record medium at the set reproducing speed in parallel to recording the audio information into said second information record medium at the set recording speed~~
simultaneously record a portion of said audio information to said second information record

medium at the set recording speed and reproduce another portion of said audio information by reproducing said another portion of said audio information from said second recording medium at the set reproducing speed,

wherein

on said second information record medium, map information including map data of at least one territory to control a navigation function for a vehicle is further recorded,

said information recording and reproducing apparatus further comprises a navigation device for controlling the navigation function by using the map information, and

said second reproducing device reproduces the map information during the recording of said audio information by said recording device.

12. (currently amended): An information recording and reproducing apparatus comprising:

a first reproducing device for reproducing audio information from a first information record medium, in which the audio information is recorded;

a recording device for recording the reproduced audio information into a second information record medium;

a second reproducing device for reproducing the audio information recorded in said second information record medium; and

a controlling device for controlling ~~said recording device to record the audio information, which is reproduced from said first information record medium by said first reproducing device,~~

~~when the audio information is outputted as a sound and also controlling said second reproducing device to reproduce and output the audio information as the sound~~ said first reproducing device, said recording device and said second reproducing device to output the audio information from said second information record medium to an external portion, when a reproduction start, which starts reproduction of audio information from said first information record medium by said first reproducing device, is instructed; and

the audio information is reproduced from said second information record medium and recorded on said second information recording medium at the same time.

13. (original): An information recording and reproducing apparatus according to Claim 12, further comprising a converting device for converting a form of the audio information, wherein

said controlling device controls said converting device and said recording device to convert the form of the audio information and then record the audio information when recording the audio information reproduced by said first reproducing device into said second information record medium.

14. (original): An information recording and reproducing apparatus according to Claim 12, further comprising:

a compressing device for compressing the audio information; and
an expanding device for expanding the compressed audio information,

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wherein

said controlling device controls said compressing device and said recording device to compress the audio information and then record the compressed audio information when recording the audio information, which is reproduced by said first reproducing device, into said second information record medium, and

said controlling device controls said second reproducing device and said expanding device to reproduce the compressed audio information, expand the reproduced audio information and then output the expanded audio information as a sound.

Claims 15-20 (canceled).

21. (currently amended): An information recording and reproducing apparatus comprising:

a reproducing device for reproducing audio information from a first information record medium, in which the audio information is recorded;

a recording device for recording the reproduced audio information into a second information record medium; and

a second reproducing device for reproducing the audio information recorded in said second information record medium; and

a controlling device for controlling said reproducing device and said recording device so as to perform recording the reproduced audio information into said second information record

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~~medium in parallel to reproducing the audio information from said first information record~~
medium simultaneously record a portion of said audio information to said second information
record medium at the set recording speed and reproduce another portion of said audio
information by reproducing said another portion of said audio information from said second
recording medium at the set reproducing speed,

wherein

the audio information is recorded in said first information record medium in a
compressed state based on a first compressing method,

said recording device records the audio information in a compressed state based on a
second compressing method, which is different from the first compressing method, into said
second information record medium, and

the audio information is reproduced from said second information record medium and
recorded on said second information recording medium at the same time.

22. (previously presented): An information recording and reproducing apparatus
comprising:

a reproducing device for reproducing audio information from a first information record
medium, in which the audio information is recorded;

a recording device for recording the reproduced audio information into a second
information record medium in which random access is possible; and

a controlling device for controlling said reproducing device and said recording device so as to simultaneously record a portion of said audio information to said second information record medium at the set recording speed and reproduce another portion of said audio information by reproducing said another portion of said audio information from said second recording medium at the set reproducing speed,

wherein said controlling device controls said recording device so as to record information indicative of the portion of the audio information, which is being recorded at a time of stopping a recording operation of recording the audio information into said second information record medium, into said second information record medium and then stop the recording operation, when the recording operation is to be stopped in a middle of recording the audio information into said second information record medium.

23. (previously presented): An information recording and reproducing apparatus according to Claim 22, wherein said controlling device controls said recording device so as to output stop information indicative of stopping the recording operation when the recording operation is to be stopped in the middle.

24. (original): An information recording and reproducing apparatus according to Claim 22, wherein

the recording operation is stopped by stopping a main electric power supplying device for supplying an electric power to said information recording and reproducing apparatus in a normal operation, and

said information recording and reproducing apparatus further comprises a sub electric power supplying device for supplying an electric power to said information recording and reproducing apparatus after said main electric power supplying device is stopped.

25. (previously presented): An information recording and reproducing apparatus comprising:

a reproducing device for reproducing audio information from a first information record medium, in which the audio information is recorded;

a recording device for recording the reproduced audio information into a second information record medium; and

a controlling device for controlling said reproducing device and said recording device so as to perform recording the reproduced audio information into said second information record medium in parallel to reproducing the audio information from said first information record medium,

further comprising a compressing device for judging the audio information which is recorded in a non-compressed state from among the audio information recorded in said second information record medium, reproducing the judged audio information in the non-compressed state from said second information record medium, compressing the reproduced audio

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information by applying a predetermined compressing process onto the reproduced audio information, and recording again the compressed audio information into said second information record medium.

Claim 26 (canceled).

27. (currently amended): An information recording and reproducing apparatus comprising:

a reproducing device for reproducing audio information from a first information record medium, in which the audio information is recorded;

a recording device for recording the reproduced audio information into a second information record medium;

a second reproducing device for reproducing the audio information recorded in said second information record medium; and

a controlling device for controlling said reproducing device and said recording device so as to perform recording the reproduced audio information into said second information record medium in parallel to reproducing the audio information from said first information record medium simultaneously record a portion of said audio information to said second information record medium at the set recording speed and reproduce another portion of said audio information by reproducing said another portion of said audio information from said second recording medium at the set reproducing speed,

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wherein

on said second information record medium, map information including map data of at least one territory to control a navigation function for a vehicle is further recorded,

said information recording and reproducing apparatus further comprises a navigation device for controlling the navigation function by using the map information, and

said second reproducing device reproduces the map information during the recording of said audio information by said recording device.

Claims 28-30 (canceled).

31. (previously presented): An information recording and reproducing apparatus comprising:

a first reproducing device for reproducing audio information from a first information record medium, in which the audio information is recorded;

a recording device for recording the reproduced audio information into a second information record medium in which random access is possible;

a second reproducing device for reproducing the audio information recorded in said second information record medium; and

a controlling device for setting a recording speed when recording the audio information into said second information record medium and a reproducing speed when reproducing the audio information from said second information record medium such that the recording speed is

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equal to or higher than the reproducing speed, controlling said second reproducing device and said recording device so as to simultaneously record a portion of said audio information to said second information record medium at the set recording speed and reproduce another portion of said audio information by reproducing said another portion of said audio information from said second recording medium at the set reproducing speed, and controlling said first reproducing device reproducing a recorded non-compressed information faster than normal speed in parallel to recording a compressed information which are converted from the non-compressed information by a compressing device.

32. (previously presented): An information recording and reproducing apparatus comprising:

a first reproducing device for reproducing audio information from a first information record medium, in which the audio information is recorded;

a recording device for recording the reproduced audio information into a second information record medium in which random access is possible;

a second reproducing device for reproducing the audio information recorded in said second information record medium; and

a controlling device for setting a recording speed when recording the audio information into said second information record medium and a reproducing speed when reproducing the audio information from said second information record medium such that the recording speed is equal to or higher than the reproducing speed, controlling said second reproducing device and

said recording device so as to simultaneously record a portion of said audio information to said second information record medium at the set recording speed and reproduce another portion of said audio information by reproducing said another portion of said audio information from said second recording medium at the set reproducing speed,

and controlling said first reproducing device reproducing a recorded compressed information faster than normal speed in parallel to recording a compressed information which are converted from the recorded compressed information by a compressing method converter.

33. (previously presented): An information recording and reproducing apparatus comprising:

a first reproducing device for reproducing audio information from a first information record medium, in which the audio information is recorded;

a recording device for recording the reproduced audio information into a second information record medium in which random access is possible;

a second reproducing device for reproducing the audio information recorded in said second information record medium; and

a controlling device for controlling said first reproducing device and said second reproducing device to simultaneously reproduce said audio information in a non-compressed form from said first reproducing device faster than normal speed, record said audio information in a compressed form, which is converted from the non-compressed form by a compressing

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device, and reproduce said audio information in the compressed form from said second reproducing device at normal speed for playback.

34. (previously presented): An information recording and reproducing apparatus comprising:

a first reproducing device for reproducing audio information from a first information record medium, in which the audio information is recorded;

a recording device for recording the reproduced audio information into a second information record medium in which random access is possible;

a second reproducing device for reproducing the audio information recorded in said second information record medium; and

a controlling device for controlling said first reproducing device and said second reproducing device to simultaneously reproduce said audio information in a non-compressed form from said first reproducing device faster than normal speed, record said audio information in a compressed form, which is converted from the non-compressed form by a compressing device, and reproduce said audio information in the compressed form from said second reproducing device at normal speed for playback.

35. (previously presented): An information recording and reproducing apparatus comprising:

a first reproducing device for reproducing audio information from a first information record medium, in which the audio information is recorded;

a recording device for recording the reproduced audio information into a second information record medium in which random access is possible;

a second reproducing device for reproducing the audio information recorded in said second information record medium; and

a controlling device for controlling said first reproducing device and said second reproducing device to simultaneously reproduce said audio information in a non-compressed form from said first reproducing device faster than normal speed, record said audio information in a compressed form, which is converted from the non-compressed form by a compressing device, and reproduce said audio information in the compressed form from said second reproducing device at normal speed for playback.

36. (previously presented): An information recording and reproducing apparatus according to Claim 9, wherein random access of said second information record medium is possible.

37. (previously presented): An information recording and reproducing apparatus according to Claim 25, wherein random access of said second information record medium is possible.